

WEST[Help](#) [Logout](#) [Interrupt](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)**Search Results -**

| Terms | Documents |
|-----------------|-----------|
| 11 and saba.in. | 10 |

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index

Database: IBM Technical Disclosure Bulletins

Search: L4

Refine Search

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Search HistoryDATE: Thursday, October 16, 2003 [Printable Copy](#) [Create Case](#)Set Name Query
side by sideHit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR

| | | | |
|-----------|-------------------------------------------|----|-----------|
| <u>L4</u> | 11 and saba.in. | 10 | <u>L4</u> |
| <u>L3</u> | 11 and saba?.in. | 0 | <u>L3</u> |
| <u>L2</u> | L1 same huma\$3 | 7 | <u>L2</u> |
| <u>L1</u> | sphingos\$4 same phosphat\$3 same lyas\$3 | 48 | <u>L1</u> |

END OF SEARCH HISTORY

WEST**Search Results - Record(s) 1 through 7 of 7 returned.** 1. Document ID: US 20030175939 A1

L2: Entry 1 of 7

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175939

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030175939 A1

TITLE: Sphingosine-1-phosphate lyase polypeptides, polynucleotides and modulating agents and methods of use therefor

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|---------|-------|---------|---------|
| Saba, Julie D. | Oakland | CA | US | |
| Fyrst, Henrik | Alameda | CA | US | |

US-CL-CURRENT: 435/232; 435/18, 435/320.1, 435/325, 435/69.1, 536/23.2

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw Desc |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|
| Image | | | | | | | | | | | | |

 2. Document ID: US 20030096022 A1

L2: Entry 2 of 7

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096022

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096022 A1

TITLE: Compositions and methods for the treatment and prevention of cardiovascular diseases and disorders, and for identifying agents therapeutic therefor

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|----------|-------|---------|---------|
| Sabbadini, Roger A. | Lakeside | CA | US | |

US-CL-CURRENT: 424/725

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw Desc |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|
| Image | | | | | | | | | | | | |

3. Document ID: US 20030092650 A1

L2: Entry 3 of 7

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092650

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092650 A1

TITLE: Antisense modulation of sphingosine-1-phosphate lyase expression

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Bennett, C. Frank | Carlsbad | CA | US | |
| Freier, Susan M. | San Diego | CA | US | |

US-CL-CURRENT: 514/44; 435/375, 514/81, 536/23.2

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Drawn Desc |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|------------|
| Image | | | | | | | | | | | |

 4. Document ID: US 20030040089 A1

L2: Entry 4 of 7

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030040089

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030040089 A1

TITLE: Protein-protein interactions in adipocyte cells

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|------------------|-------|---------|---------|
| Legrain, Pierre | Paris | | FR | |
| Marullo, Stefano | Paris | | FR | |
| Ralf, Jockers | Bures Sur Yvette | | FR | |

US-CL-CURRENT: 435/183; 435/320.1, 435/325, 435/69.1, 435/7.1, 536/23.2, 702/19

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Drawn Desc |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|------------|
| Image | | | | | | | | | | | |

 5. Document ID: US 20030027304 A1

L2: Entry 5 of 7

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027304

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027304 A1

TITLE: Compositions and methods for the treatment and prevention of cardiovascular diseases and disorders, and for identifying agents therapeutic therefor

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

| | | | | |
|---------------------|----------|-------|---------|---------|
| NAME | CITY | STATE | COUNTRY | RULE-47 |
| Sabbadini, Roger A. | Lakeside | CA | US | |

US-CL-CURRENT: 435/184; 435/320.1, 435/325, 435/69.2, 536/23.2

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Drawn Desc |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|------------|
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6. Document ID: US 20030026799 A1

L2: Entry 6 of 7

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030026799

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030026799 A1

TITLE: Compositions and methods for the treatment and prevention of cardiovascular diseases and disorders, and for identifying agents therapeutic therefor

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

| | | | | |
|---------------------|----------|-------|---------|---------|
| NAME | CITY | STATE | COUNTRY | RULE-47 |
| Sabbadini, Roger A. | Lakeside | CA | US | |

US-CL-CURRENT: 424/130.1; 514/12

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Drawn Desc |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|------------|
| Image | | | | | | | | | | | |

7. Document ID: US 6495359 B1

L2: Entry 7 of 7

File: USPT

Dec 17, 2002

US-PAT-NO: 6495359

DOCUMENT-IDENTIFIER: US 6495359 B1

** See image for Certificate of Correction **

TITLE: Sphingosine-1-phosphate lyase polypeptides, polynucleotides and modulating agents and methods of use therefor

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

| | | | | |
|----------------|--------------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| Saba; Julie D. | Emeryville | CA | | |
| Zhou; Jianhui | Redwood City | CA | | |

US-CL-CURRENT: 435/232; 536/23.2, 536/23.5

| | | | | | | | | | | | |
|-----------------------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|-----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Draw Desc |
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| Terms | Documents |
|-----------------|-----------|
| L1 same huma\$3 | 7 |

Display Format:

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(FILE 'HOME' ENTERED AT 18:19:18 ON 16 OCT 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:19:30 ON
16 OCT 2003

SEA SPHINGOS? (S) PHOSPHA? (S) LYAS?

1 FILE AGRICOLA

47 FILE BIOSIS

7 FILE BIOTECHABS

7 FILE BIOTECHDS

20 FILE BIOTECHNO

1 FILE CABA

4 FILE CANCERLIT

43 FILE CAPLUS

1 FILE DDFU

111 FILE DGENE

1 FILE DRUGU

28 FILE EMBASE

23 FILE ESBIOBASE

4* FILE FEDRIP

95 FILE GENBANK

7 FILE IFIPAT

1 FILE JICST-EPLUS

11 FILE LIFESCI

24 FILE MEDLINE

10 FILE PASCAL

42 FILE SCISEARCH

20 FILE TOXCENTER

36 FILE USPATFULL

1 FILE USPAT2

10 FILE WPIDS

10 FILE WPINDEX

1 FILE NLDB

L1 QUE SPHINGOS? (S) PHOSPHA? (S) LYAS?

FILE 'DGENE, GENBANK, BIOSIS, CAPLUS, SCISEARCH, USPATFULL, EMBASE,
MEDLINE, ESBIOBASE, BIOTECHNO, TOXCENTER, LIFESCI, PASCAL, WPIDS' ENTERED
AT 18:21:01 ON 16 OCT 2003

L2 520 S SPHINGOS? (S) PHOSPHA? (S) LYAS?

L3 90 S L2 (S) HUMA?

L4 47 DUP REM L3 (43 DUPLICATES REMOVED)

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NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
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=> index bioscience medicine
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
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FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:19:30 ON 16 OCT 2003

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s sphingos? (s) phospha? (s) lyas?

1 FILE AGRICOLA
47 FILE BIOSIS
7 FILE BIOTECHABS
7 FILE BIOTECHDS
20 FILE BIOTECHNO
1 FILE CABA
4 FILE CANCERLIT
43 FILE CAPLUS

22 FILES SEARCHED...

1 FILE DDFU
111 FILE DGENE
1 FILE DRUGU
28 FILE EMBASE
23 FILE ESBIOWBASE
4* FILE FEDRIP
95 FILE GENBANK
7 FILE IFIPAT
1 FILE JICST-EPLUS
11 FILE LIFESCI
24 FILE MEDLINE

49 FILES SEARCHED...

10 FILE PASCAL
42 FILE SCISEARCH
20 FILE TOXCENTER
36 FILE USPATFULL
1 FILE USPAT2
10 FILE WPIDS
10 FILE WPINDEX

67 FILES SEARCHED...

1 FILE NLDB

27 FILES HAVE ONE OR MORE ANSWERS, 70 FILES SEARCHED IN STNINDEX

L1 QUE SPHINGOS? (S) PHOSPHA? (S) LYAS?

=> d rank

| | | |
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| F1 | 111 | DGENE |
| F2 | 95 | GENBANK |
| F3 | 47 | BIOSIS |
| F4 | 43 | CAPLUS |
| F5 | 42 | SCISEARCH |
| F6 | 36 | USPATFULL |
| F7 | 28 | EMBASE |
| F8 | 24 | MEDLINE |
| F9 | 23 | ESBIOWBASE |
| F10 | 20 | BIOTECHNO |
| F11 | 20 | TOXCENTER |
| F12 | 11 | LIFESCI |
| F13 | 10 | PASCAL |
| F14 | 10 | WPIDS |
| F15 | 10 | WPINDEX |
| F16 | 7 | BIOTECHABS |
| F17 | 7 | BIOTECHDS |
| F18 | 7 | IFIPAT |
| F19 | 4 | CANCERLIT |
| F20 | 4* | FEDRIP |
| F21 | 1 | AGRICOLA |
| F22 | 1 | CABA |
| F23 | 1 | DDFU |
| F24 | 1 | DRUGU |
| F25 | 1 | JICST-EPLUS |

F26 1 USPAT2
F27 1 NLDB

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=> s sphingos? (s) phospha? (s) lyas?
L2 520 SPHINGOS? (S) PHOSCPHA? (S) LYAS?

=> s 12 (s) huma?

8 FILES SEARCHED..
L3 90 L2 (S)

=> dup rem 13
DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L3

L4 47 DUP REM L3 (43 DUPLICATES REMOVED)

=> d ti 14 1-47

L4 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1

TI Human and Drosophila sphingosine-1-phosphate lyase and/or sphingosine kinase, and their use for the modulation of sphingolipid metabolism and/or signaling in cancer diagnosis and therapy

L4 ANSWER 2 OF 47 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2

TI Cloning of cDNAs for sphingosine-1-phosphate lyases and sphingosine kinases from human and Drosophila, and their use for modulation of sphingolipid metab. and/or signaling in cancer diagnosis and therapy

L4 ANSWER 3 OF 47 CAPLUS COPYRIGHT 2003 ACS on STN

TI Antisense oligonucleotides for inhibition of sphingosine-1-phosphate lyase gene expression and disease treatment

L4 ANSWER 4 OF 47 USPATFULL on STN

TI Compositions and methods for the treatment and prevention of cardiovascular diseases and disorders, and for identifying agents therapeutic therefor

L4 ANSWER 5 OF 47 USPATFULL on STN

TI Antisense modulation of sphingosine-1-phosphate lyase expression

L4 ANSWER 6 OF 47 USPATFULL on STN

TI Protein-protein interactions in adipocyte cells

L4 ANSWER 7 OF 47 USPATFULL on STN

TI Compositions and methods for the treatment and prevention of cardiovascular diseases and disorders, and for identifying agents therapeutic therefor

L4 ANSWER 8 OF 47 USPATFULL on STN

TI Compositions and methods for the treatment and prevention of cardiovascular diseases and disorders, and for identifying agents therapeutic therefor

L4 ANSWER 9 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 3

TI Sphingosine phosphate lyase expression is essential for normal development in *Caenorhabditis elegans*.

L4 ANSWER 10 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 4

TI Identification and characterization of a novel human sphingosine-1-phosphate phosphohydrolase, hsPP2.

L4 ANSWER 11 OF 47 USPATFULL on STN

TI Sphingosine-1-phosphate lyase polypeptides, polynucleotides and modulating agents and methods of use therefor

L4 ANSWER 12 OF 47 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

TI Identifying tumor characteristics in a tissue sample taken from a patient, involves determining the copy number or expression level of genes associated with lipid metabolism, synthesis or action.

L4 ANSWER 13 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Molecular cloning and expression of human sphingosine phosphate lyase: Manipulation of sphingosine

-1-phosphate levels in cancer cells.

L4 ANSWER 14 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 5

TI Overexpression and biology of the human sphingosine-1-phosphate lyase gene.

L4 ANSWER 15 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Role of sphingosine-1-phosphate lyase in regulation of cell growth and

apoptosis.

L4 ANSWER 16 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 6

TI Human sphingosine-1-phosphate lyase : cDNA cloning, functional expression studies and mapping to chromosome 10q22.

L4 ANSWER 17 OF 47 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

TI Human sphingosine-1-phosphate lyase : cDNA cloning, functional expression studies and mapping to chromosome 10q22.

L4 ANSWER 18 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Bacterial expression of human sphingosine-phosphate lyase and sphingosine kinase.

L4 ANSWER 19 OF 47 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 7

TI Sphingosine-1-phosphate lyase and cDNA and methods for diagnosis and treatment of cancer

L4 ANSWER 20 OF 47 CAPLUS COPYRIGHT 2003 ACS on STN

TI Cloning and cDNA sequence of a novel human sphingosine-1-phosphate lyase (SPHINGLY) and its diagnostic and therapeutic uses

L4 ANSWER 21 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 8

TI Induction and suppression of endothelial cell apoptosis by sphingolipids: A possible in vitro model for cell-cell interactions between platelets and endothelial cells.

L4 ANSWER 22 OF 47 USPATFULL on STN

TI Aptamers specific for biomolecules and methods of making

L4 ANSWER 23 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 9

TI The BST1 gene of *Saccharomyces cerevisiae* is the sphingosine-1-phosphate lyase.

L4 ANSWER 24 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 10

TI Sphingosine-1-Phosphate: A Platelet-Activating Sphingolipid Released From Agonist-Stimulated Human Platelets.

L4 ANSWER 25 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 11

TI Sphinganine 1-phosphate metabolism in cultured skin fibroblasts: Evidence for the existence of a sphingosine phosphatase.

L4 ANSWER 26 OF 47 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 12

TI Sphingosine-1-phosphate, a novel second messenger involved in cell growth regulation and signal transduction, affects growth and invasiveness of human breast cancer cells.

- L4 ANSWER 27 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators
- L4 ANSWER 28 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators
- L4 ANSWER 29 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators
- L4 ANSWER 30 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators
- L4 ANSWER 31 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators
- L4 ANSWER 32 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 33 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 34 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 35 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 36 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 37 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 38 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 39 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI New antisense oligonucleotides for modulating sphingosine-1-phosphate lyase gene expression, useful for preventing or treating a developmental disorder or aberrant apoptosis, e.g. infection, inflammation or tumor formation -
- L4 ANSWER 40 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

TI Identifying tumor characteristics in a tissue sample taken from a patient, involves determining the copy number or expression level of genes associated with lipid metabolism, synthesis or action -

L4 ANSWER 41 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators

L4 ANSWER 42 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators

L4 ANSWER 43 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators

L4 ANSWER 44 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators

L4 ANSWER 45 OF 47 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
TI Sphingosine-1-phosphate lyase, polynucleotides and modulators

L4 ANSWER 46 OF 47 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI) : Cloning and characterization of human
sphingosine-1-phosphate lyase
gene

TITLE (TI) : Direct Submission

L4 ANSWER 47 OF 47 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI) : Human sphingosine-1-
phosphate lyase: cDNA cloning,
functional expression studies and mapping to chromosome
10q22(1)

TITLE (TI) : Direct Submission

TITLE (TI) : Direct Submission

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CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPUP, DDFB,
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1 FILE AGRICOLA
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111 FILE DGENE
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23 FILE ESBIOWBASE
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95 FILE GENBANK
7 FILE IFIPAT
1 FILE JICST-EPLUS
11 FILE LIFESCI

```
24 FILE MEDLINE
10 FILE PASCAL
42 FILE SCISEARCH
20 FILE TOXCENTER
36 FILE USPATFULL
 1 FILE USPAT2
10 FILE WPIDS
10 FILE WPINDEX
 1 FILE NLDB
QUE SPHINGOS? (S) PHOSCPHA? (S) LYAS?
```

L1 QUE SPHINGOS? (S) PHOSPHA? (S) LYAS?

FILE 'DGENE, GENBANK, BIOSIS, CAPLUS, SCISEARCH, USPATFULL, EMBASE,
MEDLINE, ESBIODEBASE, BIOTECHNO, TOXCENTER, LIFESCI, PASCAL, WPIDS' ENTERED
AT 18:21:01 ON 16 OCT 2003

L2 520 S SPHINGOS? (S) PHOSPHA? (S) LYAS?

L3 90 S L2 (S) HUMA?

L4 47 DUP REM L3 (43 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

| SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|
| 32.92 | 34.78 |

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 18:25:50 ON 16 OCT 2003

WEST**End of Result Set** [Generate Collection](#) [Print](#)

LS: Entry 1 of 1

File: USPT

Jul 23, 2002

US-PAT-NO: 6423527

DOCUMENT-IDENTIFIER: US 6423527 B1

** See image for Certificate of Correction **

TITLE: Sphingosine-1-phosphate lyase polypeptides, polynucleotides and modulating agents and methods of use therefor

DATE-ISSUED: July 23, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|--------------|-------|----------|---------|
| Saba; Julie D. | Emeryville | CA | | |
| Zhou; Jianhui | Redwood City | CA | | |

US-CL-CURRENT: 435/232; 435/320.1, 435/325, 435/6, 536/23.1, 536/23.2, 536/23.5

CLAIMS:

What is claimed is:

1. An isolated polynucleotide comprising a sequence selected from the group consisting of: (a) SEQ ID NO:1; (b) SEQ ID NO:3; (c) nucleotide sequences that hybridize to a polynucleotide complementary to either of the foregoing sequences under moderately stringent conditions, wherein the nucleotide sequences encode polypeptides having springiness-1-phosphate lyase activity; and (d) nucleotide sequences that encode a polypeptide encoded by any of the foregoing sequences.
2. An isolated polynucleotide encoding a polypeptide of SEQ ID NO:2, or a portion of such a polypeptide that has springiness-1-phosphate lyase activity.
3. An isolated polynucleotide encoding a polypeptide comprising SEQ ID NO:4, or a portion of such a polypeptide that has springiness-1-phosphate lyase activity.
4. An isolated polynucleotide comprising at least 200 contiguous nucleotides complementary to SEQ ID NO:3.
5. A recombinant expression vector comprising a polynucleotide according to any one of claims 1-3.
6. A host cell transformed or transfected with an expression vector according to claim 5.
7. A method for preparing a springiness-1-phosphate lyase, the method comprising culturing a host cell transformed or transfected with a polynucleotide according to any one of claims 1-3 under conditions promoting expression of the polynucleotide and recovering a springiness-1-phosphate lyase.

WEST

 Generate Collection

L6: Entry 1 of 2

File: USPT

Feb 18, 2003

US-PAT-NO: 6521437

DOCUMENT-IDENTIFIER: US 6521437 B2

TITLE: Human sphingosine lyase polypeptides

DATE-ISSUED: February 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------------|--------------------|-------|----------|---------|
| Duckworth; David Malcolm | Bishop's Stortford | | | GB |
| Godden; Robert James | Whitehaven | | | GB |
| Testa; Tania Tamson | London | | | GB |

US-CL-CURRENT: 435/232; 435/183, 530/350

CLAIMS:

What is claimed:

1. An isolated polypeptide comprising the amino acid sequence of SEQ ID NO:2.
2. An isolated polypeptide consisting of the amino acid sequence of SEQ ID NO:2.

WEST**End of Result Set**

L6: Entry 2 of 2

File: USPT

Feb 13, 2001

US-PAT-NO: 6187562

DOCUMENT-IDENTIFIER: US 6187562 B1

TITLE: Polynucleotides encoding human sphingosine Lyase

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------------|--------------------|-------|----------|---------|
| Duckworth; David Malcolm | Bishop's Stortford | | | GB |
| Godden; Robert James | Whitehaven | | | GB |
| Testa; Tania Tamson | London | | | GB |

US-CL-CURRENT: 435/69.1; 435/232, 435/252.3, 435/252.33, 435/320.1, 435/476, 435/478, 435/70.1, 435/71.1, 536/23.2

CLAIMS:

What is claimed:

1. A isolated polynucleotide comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:2.
2. An isolated polynucleotide comprising the nucleotide sequence of SEQ ID NO: 1.
3. An isolated polynucleotide which is fully complementary to any one of the polynucleotides of claims 1 and 2.
4. An expression vector comprising a polynucleotide encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 2.
5. A process for producing a recombinant host cell comprising transforming or transfecting a host cell with the expression vector of claim 4 such that the host cell, under appropriate culture conditions, produces said polypeptide.
6. A recombinant host cell produced by the process of claim 5.
7. A process for producing a polypeptide comprising culturing the recombinant host cell of claim 6 under conditions sufficient for the production of said polypeptide and recovering the polypeptide from the culture.
8. The isolated polynucleotide of claim 1 which is RNA.
9. The isolated polynucleotide of claim 1 which is DNA.
10. The isolated polynucleotide of claim 1 consisting of the nucleotide sequence of SEQ ID NO:1.

WEST**End of Result Set** [Generate Collection](#)

L7: Entry 1 of 1

File: USPT

Dec 17, 2002

US-PAT-NO: 6495359

DOCUMENT-IDENTIFIER: US 6495359 B1

** See image for Certificate of Correction **

TITLE: Sphingosine-1-phosphate lyase polypeptides, polynucleotides and modulating agents and methods of use therefor

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|--------------|-------|----------|---------|
| Saba; Julie D. | Emeryville | CA | | |
| Zhou; Jianhui | Redwood City | CA | | |

US-CL-CURRENT: 435/232; 536/23.2, 536/23.5

CLAIMS:

What is claimed is:

1. An isolated polypeptide comprising an amino acid sequence encoded by a polynucleotide comprising a polynucleotide selected from the group consisting of:
a. a sequence recited in SEQ ID NO:3; and b. nucleotide sequences isolated from human that hybridize to a polynucleotide complementary to SEQ ID NO:3 under moderately stringent conditions, wherein said conditions comprise prewashing in a solution of 5.times.SSC, 0.5% SDS, 1.0 mM EDTA (pH 3.0); hybridizing at 50-65.degree. C., 5.times.SSC, overnight; followed by washing twice at 65.degree. C. for 20 minutes with each of 2.times., 0.5.times. and 0.2.times.SSC containing 0.1% SDS, and wherein the nucleotide sequences encode polypeptides having sphingosine-1-phosphate lyase activity.
2. An isolated polypeptide comprising an amino acid sequence recited in SEQ ID NO:4, wherein the polypeptide has sphingosine-1-phosphate lyase activity.
3. An isolated polypeptide comprising a portion of the amino acid sequence recited in SEQ ID NO:4, wherein said portion has sphingosine-1-phosphate lyase activity.